

CTDSP1 Antibody

Catalog No: #34552

Package Size: #34552-1 50ul #34552-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

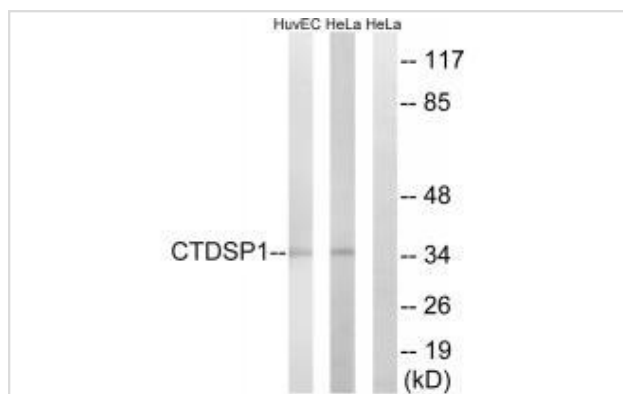
Product Name	CTDSP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CTDSP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from N-terminal of human CTDSP1.
Target Name	CTDSP1
Other Names	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1; EC 3.1.3.16; Nuclear LIM interactor-interacting factor 3; NLI-interacting factor 3; NLI-IF
Accession No.	Swiss-Prot: Q9GZU7NCBI Gene ID: 58190
Uniprot	Q9GZU7
GeneID	58190;
SDS-PAGE MW	30kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

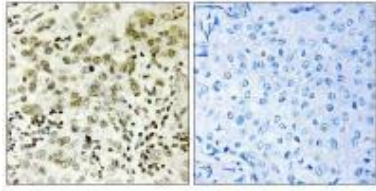
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HUVEC cells and HeLa cells, using CTDSP1 antibody #34552.

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CTDSP1 antibody #34552.



Background

Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation. Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells.

Marquet S., Mamm. Genome 11:755-762(2000).

Yeo M., J. Biol. Chem. 278:26078-26085(2003).

Hillier L.W., Nature 434:724-731(2005)

Note: This product is for in vitro research use only